

REMARKS

Claims 10 and 11 are allowed. The Applicants appreciate the Examiner's continued attention and consideration.

Claims 2 – 4, 6, 8 and 9 are objected to as dependent upon rejected claims, however, would be allowable if rewritten in independent form.

Claim 1 has been amended to incorporate all limitations of claim 2, which has been canceled.

New independent claim 12 corresponds with and incorporates all limitations of allowable dependent claim 3 as well as base claim 1. Claim 3 has been canceled.

New independent claim 13 corresponds with and incorporates all limitations of allowable dependent claim 4 as well as base claim 1. Claim 4 has been canceled.

New independent claim 14 corresponds with and incorporates all limitations of allowable dependent claim 6 as well as base claim 1. Claim 6 has been canceled.

Accordingly, in view of the amendments, it is requested that the rejection, as it applies to claims 2 – 4 and 6, be withdrawn.

The text of new dependent claims 15 – 17 replicates that of dependent claim 5.

Dependent claims 15 - 17 individually depend from independent claims 12 – 14, respectively.

Claim 7 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the Applicants regard as the invention.

Claim 7 has been amended to recite "*A system for generating multiple high-resolution pulse width modulated (PWM) signals comprising: ... a capture and compare module operative to selectively generate software interrupts as a function of timer and duty cycle values in communication with said microprocessor; ...*".

The Applicants believe that the forgoing amendment to claim 7 overcomes the objections raised by the Examiner and request that the rejection be withdrawn.

Inasmuch as allowable claims 8 and 9 depend from claim 7, which is now, itself, deemed to be allowable, it is requested that the rejection, as it applies to claims 8 and 9, be withdrawn.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Khan. Claim 1 has been amended to incorporate all limitations of allowable claim 2, and is thus, itself, now deemed allowable.

Accordingly, it is requested that the rejection be withdrawn.

Conclusion

Applicants believe, in view of the amendments and remarks herein, that all grounds of rejection have been addressed and overcome, and that all claims are in condition for allowance.

If it would further prosecution of the application, the Examiner is urged to contact the undersigned at the telephone number provided.

The Commissioner is hereby authorized to charge any fees associated with this communication and/or credit any overpayments to Deposit Account No. 50-0831.

Respectfully submitted,



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AMENDMENTS TO THE DRAWINGS

Please substitute the enclosed sheets 1/3 to 3/3, inclusive, each labeled "Replacement Sheet", for the corresponding sheets presently in the case.

Figure 3 is amended to add reference numeral 100 (software) as well as its associated lead line.

Figure 5 is amended to add reference numeral 113 (interrupt routine) as well as its associated lead line.